



State of California –The Natural Resources Agency
DEPARTMENT OF FISH AND GAME
Habitat Conservation Planning Branch
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Subject: Revisions to Notice of Preparation (State Clearinghouse Number: 2008112096) dated November 20, 2008 Environmental Impact Statement/ Environmental Impact Report (EIS/EIR) for the Issuance of Incidental Take Permits and Entry into a Master Streambed Alteration Agreement for Pacific Gas and Electric Company's (PG&E) Operations and Maintenance Activities in the North Coast, Central Coast, Sacramento Valley, Sierra, and Mojave regions (Multi-region), California.

INTRODUCTION

Pursuant to the National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA), the U.S. Fish and Wildlife Service (Service) and California Department of Fish and Game (DFG) plan to prepare a joint EIS/EIR to evaluate the potential impacts of and alternatives to the proposed habitat conservation plan (HCP) and issuance of incidental take permits pursuant to the federal Endangered Species Act of 1973, as amended (ESA), and the California Endangered Species Act (CESA) (Section 2050 *et seq.* of the Fish & Game Code); and entry into a Master Streambed Alteration Agreement between DFG and PG&E pursuant to Section 1602 of the California Fish and Game Code.

This revision to the November 20, 2008, Notice of Preparation (NOP), available at: <http://nrm.dfg.ca.gov/documents/ContextDocs.aspx?cat=PGE-OM-HCPs> or upon request, describes the two main changes to the proposed action; the addition by PG&E of their Mojave Region to the Plan Area and the addition and removal of species proposed for coverage under PG&E's proposed habitat conservation plan (HCP).

PG&E is required by law to provide natural gas and electrical service, under the jurisdiction of the California Public Utilities Commission. An investor-owned company, PG&E serves more than 4.8 million electricity customers and 4 million natural gas customers throughout California in response to this mandate. Activities necessary to operate, maintain, upgrade, and extend PG&E's electricity and natural gas infrastructure in the Multi-region Plan Area have the potential to result in incidental take of species listed pursuant to ESA and/or CESA. Consistent with the requirements of ESA, Section 10(a)(1)(B) and Section 2081(b) and (c) of the Fish and Game Code, PG&E is proposing a HCP including measures to avoid, minimize, and compensate for incidental take (mitigation measures), and seeks to obtain permits authorizing incidental take of HCP-covered species during necessary operation, maintenance, and minor new construction activities.

PG&E MULTI-REGION OPERATION AND MAINTENANCE HABITAT CONSERVATION PLAN

Covered Area

The 2008 HCP Plan Area included the network of PG&E facilities in 35¹ counties, including 18 counties within the Sacramento Valley Region, 20 counties within the Sierra Region (of which 12 overlap with the Sacramento Valley Region), six counties within the Central Coast Region, and four counties within the North Coast Region (one of which overlaps with the Sacramento Valley Region). The Sacramento Valley Region includes the following counties: Amador, Butte, Calaveras, Colusa, El Dorado, Glenn, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Sutter, Tehama, Trinity, Tuolumne, Yolo, and Yuba. The counties within the Sierra Region include: Alpine, Amador, Butte, Calaveras, El Dorado, Fresno, Lassen, Madera, Mariposa, Modoc, Nevada, Placer, Plumas, Shasta, Sierra, Siskiyou, Tehama, Tulare, Tuolumne, and Yuba. The Central Coast Region consists of the following counties: Kern, Monterey, San Benito, Santa Cruz, San Luis Obispo, and Santa Barbara. The North Coast Region consists of the following counties: Humboldt, Lake, Mendocino, and Trinity. The total area proposed for coverage under the 2008 NOP was approximately 550,000 acres and included the right-of-way surrounding gas and electric transmission and distribution facilities, the lands owned by PG&E and/or subject to PG&E easements for these facilities, private access routes associated with PG&E's activities, future minor new construction areas, and mitigation areas for impacts resulting from PG&E's activities.

PG&E proposes to add approximately 23,000 acres from the Mojave Region to its Plan Area, which would increase the total Plan Area to approximately 573,000 acres in 36 counties (Kern County is also included in the Central Coast Region). Within the 23,000 acres of the Mohave Region, PG&E proposes to implement operations and maintenance activities along an existing gas transmission line, which extends from central Kern County to eastern San Bernardino County. A map of the new region to be added is attached (see Figure 1). Activities that may be covered under the HCP in the Mojave Region include a variety of tasks associated with the operation and maintenance of PG&E's gas transmission system, as mandated for public safety by the California Public Utilities Commission, the California Energy Commission, and the California Department of Transportation. More specifically, these activities would be restricted to: gas pipeline protection, recoating, repair, and replacement and vegetation management to maintain clearances around facilities.

Species Proposed for Coverage

The 2008 NOP stated 109 species were proposed for HCP coverage. It also stated that species may be added or deleted during the course of HCP development, based on further analysis, new information, agency consultation,

¹ The 2008 NOP stated the HCP Plan Area covered 36 counties but Trinity County, which occurs in both the Sacramento Valley and North Coast regions, was counted twice.

and/or public comment. Due to an administrative error in the original NOP and the addition of the Mojave Region, a number of species have been added to the proposed Covered Species list since the November 2008 NOP. It has been determined that some of the species included on the originally proposed Covered Species list would not be affected by HCP activities and these species have been removed from the list. The proposed Covered Species list has increased to 180 species and includes 57 animal and 123 plant species (see Table 1). Additional changes to the proposed Covered Species list may occur during continued development of the HCP.

Activities Proposed for Coverage

Activities that may be covered under the HCP include a variety of tasks associated with the operation and maintenance (O&M) and minor new construction of PG&E's gas and electric transmission and distribution system. More specifically, these activities may include: gas pipeline protection, recoating, repair and replacement; electric line protection, repair, reconductoring, and replacement; electric pole repair and replacement; vegetation management to maintain clearances around facilities; and minor construction for new gas and electric extensions. The HCP would not cover operation, maintenance, or construction of power generation facilities.

Potential Environmental Effects

Potential environmental effects of the covered activities could include impacts to the following environmental resources:

Aesthetic/Visual

Activities could have adverse short term or long term effects on visual resources, visual character, or visual quality and could introduce new sources of light, glare, and/or shading.

Agricultural Land

Activities could require conversion of important farmland to nonagricultural uses. Construction of minor new facilities and acquisition of compensations land could require cancellation of Williamson Act contracts for small acreages, if new land acquisition is required.

Air Quality

Activities have the potential to generate increased pollutant emissions.

Biological Resources

Activities could disturb or result in take of covered and non-covered special-status plant and animal species, common plant and animal species, and their habitat. Activities have the potential to spread invasive nonnative plant species.

Cultural and Paleontological Resources

Activities have the potential to disturb or destroy cultural and paleontological resources.

Greenhouse Gas Emissions

Activities could generate greenhouse gas emissions which impede compliance with statewide emissions reduction goals mandated in AB 32.

Growth Inducing

Facility upgrades and extension of service to additional customers could directly serve new growth. Upgraded or expanded infrastructure installed under the proposed action could result in corollary indirect impacts on environmental resources.

Land Use

Activities could result in the physical division of an established community or be inconsistent with existing or future planned land uses.

Noise

Activities could result in temporary or permanent exposure of noise sensitive land uses to elevated noise and vibration levels.

Public Health and Environmental Hazards

Activities have the potential to create a hazard to the public or the environment through routine transport, use, or disposal of hazardous materials and through inadvertent spills or releases of hazardous materials. There is the possibility of human or environmental exposure to hazardous materials as a result of ground disturbance on sites with known hazardous materials contamination. Activities could interfere with or impede emergency vehicle access or increase emergency services' response times.

Recreation/Parks

Recreational opportunities could be reduced due to short-term construction activities, installation of new, improved, or expanded aboveground facilities or structures, or due to implementation of compensation options.

Soil Erosion

Activities could result in accelerated soil erosion and loss of topsoil.

Traffic/Circulation

Activities could result in temporary construction-related traffic increases and traffic safety hazards and long-term traffic increases and traffic safety hazards. They have the potential to create a temporary need for parking to accommodate construction crews, as well as staging areas for construction equipment and supplies and could conflict with transportation plans, programs, and planned projects.

Water Resources/Groundwater

Activities may use streambed materials and may divert, obstruct, or change the natural flow or the bed, channel, or bank of any river, stream, or lake. They could alter existing drainage patterns, increasing flood risk and/or erosion and siltation potential. Temporary degradation of surface water quality could occur as a result of ground disturbance. Activities have the potential to increased stormwater runoff, and corollary effects. They have the potential to temporarily degrade surface water quality and wetland habitat as a result of inchannel work in aquatic environments. There is the potential for degradation of surface and groundwater quality as a result of hazardous materials spills or releases.

Cumulative Effects

Activities performed under the HCP could result in cumulatively considerable impacts to environmental resources.

Avoidance and Mitigation

The HCP will propose measures to mitigate impacts on environmental resources from covered activities.

ENVIRONMENTAL IMPACT STATEMENT/REPORT

The Service and DFG will prepare a joint EIS/EIR in compliance with NEPA and CEQA. The Service will be responsible for the scope and content of the document for NEPA purposes, and DFG will be responsible for the same for CEQA purposes.

DFG has full discretionary authority over the issuance of incidental take permits (ITP) pursuant to Section 2081 of the Fish and Game Code and Master Streambed Alteration Agreements (MSAA); however, to fully comply with CEQA, DFG must analyze the potential impacts of issuing an ITP and entering into an MSAA. After consulting with PG&E and reviewing the proposed HCP, DFG will consider whether or not to issue an ITP or an MSAA. In issuing an ITP, DFG will only authorize incidental take of those HCP Covered Species which are state endangered, threatened, and candidate species and are not fully protected under the Fish and Game Code.

To fully analyze the potential environmental outcomes, the EIS/EIR will analyze several alternative conservation strategies for the HCP. Activities directly enabled by the proposed project, and analyzed in the EIS/EIR, will include PG&E's ongoing O&M program in the Multi-region Plan Area along with any additional activities entailed by new environmental commitments and mitigation measures required under the HCP, HCP implementation agreement, ITP, and MSAA.

The EIS/EIR will analyze a reasonable range of "action" alternatives to the proposed HCP, under all of which some form of HCP and regional, program-wide ITP is assumed. Action alternatives may vary by the level of conservation, permit

area, covered species, or a combination of these factors. The EIS/EIR will also analyze the No Project Alternative. Under the No Project Alternative, PG&E would continue to operate and maintain its natural gas and electricity facilities according to the current scenario. No regional, program-wide HCP would be developed for the Multi-region Plan Area O&M program, nor would PG&E seek an "umbrella" ITP or MSAA. Instead, PG&E would continue to address threatened and endangered species on a case-by-case basis.

The EIS/EIR will identify significant impacts of the proposed project and alternatives related to land use and planning; agricultural resources; biological resources; aesthetics; geology and soils; water resources; cultural resources; transportation and circulation; noise and vibration; air quality, greenhouse gas emissions, public health/environmental hazards; recreation; cumulative effects; environmental justice; and socioeconomics. Where feasible, the EIS/EIR will identify additional mitigation measures to reduce potentially significant impacts to a level below significant.

PUBLIC MEETING

A public meeting has been scheduled to provide an overview of the proposed action and obtain input on the scope and content of the EIR/EIS. The public meeting will be held on the following date and time at the following location:

Wednesday, November 17, 2010, at the South Natomas Community Center - Conference Room, 2921 Truxel Road, Sacramento, CA from 1:00 pm to 3:00 pm

Persons needing reasonable accommodations in order to attend and participate in a public meeting should contact Bob Williams at (530) 225-2365 as soon as possible. In order to allow sufficient time to process requests, please call no later than 1 week before the public meeting. Information regarding this proposed project is available in alternative formats upon request.

SUBMITTING COMMENTS

DFG invites written comments from interested parties to ensure that the full range of issues related to the proposed project are identified and analyzed. Information, written comments, and questions related to the preparation of the EIS/EIR should be received on or before December 3, 2010. Written comments should be directed to the contact below. All comments received, including commentor's names and addresses, will become part of the official administrative record and may be made available to the public.

FOR FURTHER INFORMATION CONTACT:

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 Habitat Conservation Planning Branch
 California Department of Fish and Game
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SUPPLEMENTAL INFORMATION

Information regarding this proposed project is available in alternative formats upon request. Persons needing reasonable accommodations to view the proposed action should contact Mr. Williams as soon as possible.

TABLE 1—PROPOSED COVERED SPECIES			
Scientific Name	Common Name	Federal Status	State Status
Invertebrates			
<i>Branchinecta conservatio</i>	Conservancy fairy shrimp	E	–
<i>Branchinecta longiantenna</i>	Longhorn fairy shrimp	E	–
<i>Branchinecta mesovallensis</i>	Midvalley fairy shrimp	–	–
<i>Branchinecta lynchi</i>	Vernal pool fairy shrimp	T	–
<i>Desmocerus californicus dimorphus</i>	Valley elderberry longhorn beetle	T	–
<i>Euphilotes enoptes smithi</i>	Smith's blue butterfly	E	–
<i>Euproserpinus euterpe</i>	Kern primrose sphinx moth	T	–
<i>Helminthoglypta walkeriana</i>	Morro shoulderband	E	–
<i>Lepidurus packardii</i>	Vernal pool tadpole shrimp	E	–
<i>Pacifastacus fortis</i>	Shasta crayfish	E	E
<i>Lycaeides argyrognomon lotis</i>	Lotis blue butterfly	E	–
<i>Polyphylla barbata</i>	Mount Hermon (=barbate) June beetle	E	–
<i>Speyeria zerene behrensii</i>	Behren's silverspot butterfly	E	–
<i>Trimerotropis infantilis</i>	Zayante band-winged grasshopper	E	–
Amphibians			
<i>Ambystoma californiense</i>	California tiger salamander – Central Distinct Population Segment	T	C
<i>Ambystoma californiense</i>	California tiger salamander – Santa Barbara County Distinct Population Segment	E	C

Scientific Name	Common Name	Federal Status	State Status
<i>Ambystoma macrodactylum croceum</i>	Santa Cruz long-toed salamander	E	E
<i>Batrachoseps stebbinsi</i>	Tehachapi slender salamander	–	T
<i>Anaxyrus californicus</i> (= <i>Bufo californicus</i>)	Arroyo toad	E	–
<i>Bufo canorus</i>	Yosemite toad	C	–
<i>Hydromantes shastae</i>	Shasta salamander	–	T
<i>Rana draytonii</i>	California red-legged frog	T	SSC
<i>Rana boylei</i>	Foothill yellow-legged frog	–	SSC
<i>Rana muscosa</i>	Southern mountain yellow-legged frog (AKA - Sierra Madre yellow-legged frog)	E	SSC
<i>Rana sierrae</i>	Sierra Nevada yellow-legged frog	C	SSC
<i>Rhyacotriton variegatus</i>	Southern torrent salamander	–	SSC
<i>Scaphiopus hammondi</i>	Western spadefoot toad	–	SSC
Reptiles			
<i>Emys</i> (= <i>Clemmys</i>) <i>marmorata</i>	Western pond turtle	–	SSC
<i>Gambelia sila</i>	Blunt-nosed leopard lizard	E	E, FP
<i>Gopherus agassizii</i>	Desert tortoise	T	SSC
<i>Thamnophis gigas</i>	Giant garter snake	T	T
<i>Thamnophis sirtalis tetrataenia</i>	San Francisco garter snake	E	E
Birds			
<i>Agelaius tricolor</i>	Tricolored blackbird	–	SSC
<i>Aquila chrysaetos</i>	Golden eagle	–	FP
<i>Athene cunicularia</i>	Western burrowing owl	–	SSC
<i>Brachyramphus marmoratus</i>	Marbled murrelet	T	T
<i>Buteo swainsoni</i>	Swainson's hawk	–	T
<i>Coccyzus americanus occidentalis</i>	Western yellow-billed cuckoo	C	E
<i>Empidonax traillii</i>	Willow flycatcher	–	E
<i>Empidonax traillii extimus</i>	Southwestern willow flycatcher (CA)	E	E
<i>Falco peregrinus anatum</i>	American peregrine falcon	–	FP
<i>Grus canadensis tabida</i>	Greater sandhill crane	–	T, FP
<i>Haliaeetus leucocephalus</i>	Bald eagle	–	E; FP
<i>Laterallus jamaicensis coturniculus</i>	Black rail (CA)	–	T; FP
<i>Progne subis</i>	Purple martin	–	SSC
<i>Strix occidentalis caurina</i>	Northern spotted owl	T	–
<i>Strix nebulosa</i>	Great gray owl	–	E
<i>Vireo bellii pusillus</i>	Least Bell's vireo	E	E
Mammals			
<i>Ammospermophilus nelson</i>	Nelson's antelope squirrel	–	T

Scientific Name	Common Name	Federal Status	State Status
<i>Aplodontia rufa niger</i>	Point Arena mountain beaver	E	SSC
<i>Dipodomys ingens</i>	Giant kangaroo rat	E	E
<i>Dipodomys nitratoide nitratoide</i>	Tipton kangaroo rat	E	E
<i>Martes americana humboldtensis</i>	Humboldt marten	–	SSC
<i>Martes pennant (pacifica) DPS</i>	Pacific fisher	C	C
<i>Vulpes macrotis mutica</i>	San Joaquin kit fox	E	T
<i>Vulpes vulpes necator</i>	Sierra Nevada red fox	–	T
<i>Xerospermophilus mohavensis</i>	Mohave ground squirrel	–	T
Plants			
<i>Abronia umbellata ssp. breviflora</i>	pink sand-verbena	–	–
<i>Ancistrocarphus keilii</i>	Santa Ynez groundstar	–	–
<i>Arabis constancei</i>	Constance's rock cress	–	–
<i>Arctostaphylos hookeri ssp. hearstiorum</i>	Hearst's manzanita	–	E
<i>Arctostaphylos morroensis</i>	Morro manzanita	T	–
<i>Arctostaphylos myrtifolia</i>	Ione manzanita	T	–
<i>Arctostaphylos pajaroensis</i>	Pajaro manzanita	–	–
<i>Arctostaphylos purissima</i>	La Purisima manzanita	–	–
<i>Arctostaphylos stanfordiana ssp. raichei</i>	Raiche's manzanita	–	–
<i>Arctostaphylos tomentosa ssp. dactilicola</i>	dacite manzanita	–	–
<i>Arctostaphylos wellsii</i>	Wells' manzanita	–	–
<i>Astragalus agnicidus</i>	Humboldt milk-vetch	–	E
<i>Astragalus albens</i>	Cushenbury milk-vetch	E	–
<i>Astragalus tener var. ferrisiae</i>	Ferris' milk-vetch	–	–
<i>Atriplex parishii</i>	Parish's brittle scale	–	–
<i>Benoniella oregona</i>	benoniella	–	R
<i>California macrophylla</i>	round-leaved filaree	–	–
<i>Calycadenia villosa</i>	dwarf calycadenia	–	–
<i>Calystegia stebbinsii</i>	Stebbins' morning-glory	E	E
<i>Camissonia benitensis</i>	San Benito evening-primrose	T	–
<i>Carpenteria californica</i>	tree-anemone	–	T
<i>Caulanthus californicus</i>	California jewel-flower	E	E
<i>Ceanothus confusus</i>	Rincon Ridge ceanothus	–	–
<i>Ceanothus maritimus</i>	maritime ceanothus	–	R
<i>Ceanothus roderickii</i>	Pine Hill ceanothus	E	R
<i>Chamaesyce hooveri</i>	Hoover's spurge	T	–
<i>Chlorogalum purpureum var. purpureum</i>	purple amole (=Santa Lucia purple amole)	T	–
<i>Chorizanthe howellii</i>	Howell's spineflower	E	T

Scientific Name	Common Name	Federal Status	State Status
<i>Chorizanthe pungens</i> var. <i>hartwegiana</i>	Ben Lomond spineflower	E	–
<i>Chorizanthe pungens</i> var. <i>pungens</i>	Monterey spineflower	T	–
<i>Chorizanthe robusta</i> var. <i>robusta</i>	robust spineflower	E	–
<i>Cirsium fontinale</i> var. <i>obispoense</i>	San Luis Obispo fountain thistle	E	E
<i>Cirsium rhotophilum</i>	Surf thistle	–	T
<i>Clarkia amoena</i> ssp. <i>whitneyi</i>	Whitney's farewell-to-spring	–	–
<i>Clarkia borealis</i> ssp. <i>arida</i>	Shasta clarkia	–	–
<i>Clarkia mosquinii</i>	Mosquin's clarkia	–	–
<i>Clarkia speciosa</i> ssp. <i>immaculata</i>	Pismo clarkia	E	R
<i>Cordylanthus mollis</i> ssp. <i>hispidus</i>	hispid bird's-beak	–	–
<i>Cordylanthus palmatus</i>	palmate-bracted bird's-beak	E	E
<i>Cordylanthus rigidus</i> ssp. <i>littoralis</i>	seaside bird's-beak	–	E
<i>Cryptantha clevelandii</i> var. <i>dissita</i>	serpentine cryptantha	–	–
<i>Cupressus abramsiana</i> (= <i>Callitropsis abramsiana</i>)	Santa Cruz cypress	E	E
<i>Cupressus goveniana</i> ssp. <i>Goveniana</i> (= <i>Callitropsis goveniana</i>)	Gowen cypress	T	–
<i>Deinandra halliana</i>	Hall's tarplant	–	–
<i>Dithyrea maritima</i>	beach spectaclepod	–	T
<i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i>	Blochman's dudleya	–	–
<i>Eriastrum tracyi</i>	Tracy's eriastrum	–	R
<i>Ericameria fasciculata</i>	Eastwood's goldenbush	–	–
<i>Erigeron parishii</i>	Parish's daisy	T	–
<i>Eriodictyon capitatum</i>	Lompoc yerba santa	E	R
<i>Eriogonum apricum</i> var. <i>apricum</i>	Ione buckwheat	E	E
<i>Eriogonum nudum</i> var. <i>decurrens</i>	Ben Lomond buckwheat	–	–
<i>Eryngium aristulatum</i> var. <i>hooveri</i>	Hoover's button-celery	–	–
<i>Eryngium constancei</i>	Loch Lomond button-celery	E	E
<i>Eryngium racemosum</i>	Delta button-celery	–	E
<i>Erysimum menziesii</i> ssp. <i>eurekaense</i>	Humboldt Bay wallflower	E	E
<i>Erysimum menziesii</i> ssp. <i>menziesii</i>	Menzies' wallflower	E	E
<i>Erysimum teretifolium</i>	Santa Cruz wallflower	E	E
<i>Eschscholzia rhombipetala</i>	diamond-petaled California poppy	–	–
<i>Fremontodendron decumbens</i>	Pine Hill flannelbush	E	R
<i>Fritillaria roderickii</i>	Roderick's fritillary	–	E
<i>Galium californicum</i> ssp. <i>sierrae</i>	El Dorado bedstraw	E	R
<i>Gilia tenuiflora</i> ssp. <i>arenaria</i>	sand gilia	E	T
<i>Gratiola heterosepala</i>	Boggs Lake hedge-hyssop	–	E

Scientific Name	Common Name	Federal Status	State Status
<i>Guggolz' harmonia</i>	Harmonia guggolziorum	–	–
<i>Holocarpha macradenia</i>	Santa Cruz tarplant	T	E
<i>Horkelia cuneata ssp. puberula</i>	mesa horkelia	–	–
<i>Horkelia cuneata ssp. sericea</i>	Kellogg's horkelia	–	–
<i>Juncus leiostermus</i> var. <i>leiostermus</i>	Red Bluff dwarf rush	–	–
<i>Lasthenia burkei</i>	Burke's goldfields	E	E
<i>Lasthenia conjugens</i>	Contra Costa goldfields	E	–
<i>Lasthenia glabrata ssp. coulteri</i>	Coulter's goldfields	–	–
<i>Layia carnosa</i>	beach layia	E	E
<i>Layia discoidea</i>	rayless layia	–	–
<i>Layia heterotricha</i>	pale-yellow layia	–	–
<i>Legenere limosa</i>	legenere	–	–
<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	–	R
<i>Lilium maritimum</i>	coast lily	–	–
<i>Lilium occidentale</i>	western lily	E	E
<i>Limnanthes bakeri</i>	Baker's meadowfoam	–	R
<i>Limnanthes floccosa ssp. californica</i>	Butte County meadowfoam	E	E
<i>Lomatium stebbinsii</i>	Stebbins' lomatium	–	–
<i>Lotus rubriflorus</i>	red-flowered lotus	–	–
<i>Lupinus milo-bakeri</i>	Milo Baker's lupine	–	T
<i>Lupinus nipomensis</i>	Nipomo Mesa lupine	E	E
<i>Lupinus tidestromii</i>	Tidestrom's lupine	E	E
<i>Madia radiata</i>	showy madia	–	–
<i>Malacothamnus abbottii</i>	Abbott's bush mallow	–	–
<i>Monardella douglasii ssp. venosa</i>	veiny monardella	–	–
<i>Monolopia congdonii</i>	San Joaquin woollythreads	E	–
<i>Navarretia leucocephala ssp. bakeri</i>	Baker's navarretia	–	–
<i>Navarretia leucocephala ssp. pauciflora</i>	few-flowered navarretia	E	T
<i>Navarretia leucocephala ssp. plieantha</i>	many-flowered navarretia	E	E
<i>Navarretia myersii ssp. diminuta</i>	small pincushion navarretia	–	–
<i>Navarretia myersii ssp. myersii</i>	pincushion navarretia	–	–
<i>Navarretia prostrata</i>	prostrate navarretia	–	–
<i>Oenothera deltoides ssp. howellii</i>	Antioch Dunes evening-primrose	E	E
<i>Oenothera wolfii</i>	Wolf's evening-primrose	–	–
<i>Orcuttia pilosa</i>	hairy orcutt grass	E	E
<i>Orcuttia tenuis</i>	slender orcutt grass	T	E
<i>Orcuttia viscida</i>	Sacramento orcutt grass	E	E

Scientific Name	Common Name	Federal Status	State Status
<i>Packera layneae</i>	Layne's ragwort	T	R
<i>Paronychia ahartii</i>	Ahart's paronychia	–	–
<i>Pentachaeta bellidiflora</i>	white-rayed pentachaeta	E	E
<i>Pinus radiata</i>	Monterey pine	–	–
<i>Piperia yadonii</i>	Yadon's rein orchid	E	–
<i>Pleuropogon hooverianus</i>	North Coast semaphore grass	–	T
<i>Polygonum hickmanii</i>	Scotts Valley polygonum	E	E
<i>Pseudobahia bahiifolia</i>	Hartweg's golden sunburst	E	E
<i>Puccinellia howellii</i>	Howell's alkali grass	–	–
<i>Rhynchospora californica</i>	California beaked-rush	–	–
<i>Sanicula maritima</i>	adobe sanicle	–	R
<i>Sedella leiocarpa</i>	Lake County stonecrop	E	E
<i>Sidalcea hickmanii</i> ssp. <i>anomala</i>	Cuesta Pass checkerbloom	–	R
<i>Stylocline masonii</i>	Mason's neststraw	–	–
<i>Suaeda californica</i>	California seablite	E	–
<i>Thlaspi californicum</i> (also known as <i>Noccaea fendleri</i> ssp. <i>californicum</i>)	Kneeland Prairie pennycress	E	–
<i>Trifolium buckwestiorum</i>	Santa Cruz clover	–	–
<i>Trifolium polyodon</i>	Pacific Grove clover	–	R
<i>Trifolium trichocalyx</i>	Monterey clover	E	E
<i>Tropidocarpum capparideum</i>	caper-fruited tropidocarpum	–	–
<i>Tuctoria greenei</i>	Greene's tuctoria	E	R
<i>Verbena californica</i>	California vervain (=Red Hills vervain)	T	T

E = federally &/or State listed as Endangered

T = federally &/or State listed as Threatened

C = federally &/or State candidate species

R = Declared to be a "Rare" species in Section 670.2, Title 14, California Code of Regulations

SSC = Species of Special Concern

FP = fully protected under the California Fish and Game Code

– = no listing status

Figure 1. Map of Mojave Region recently added to PG&E's proposed Multi-region HCP

